

US EPA RECORDS CENTER REGION 5



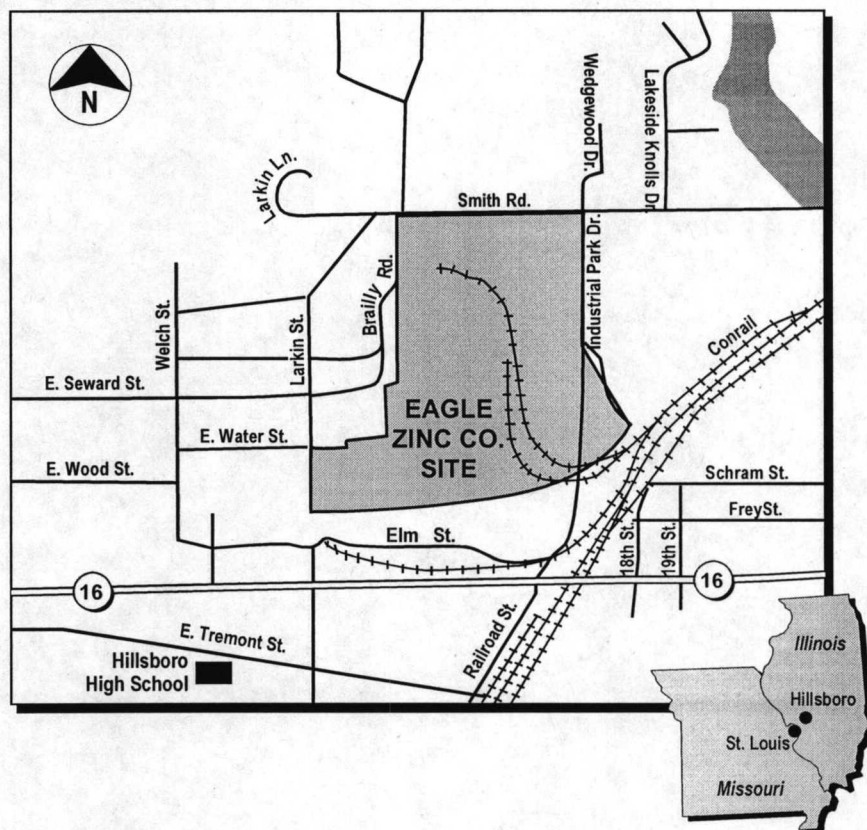
478639

Eagle Zinc Company Site



May 9, 2002

Site Map



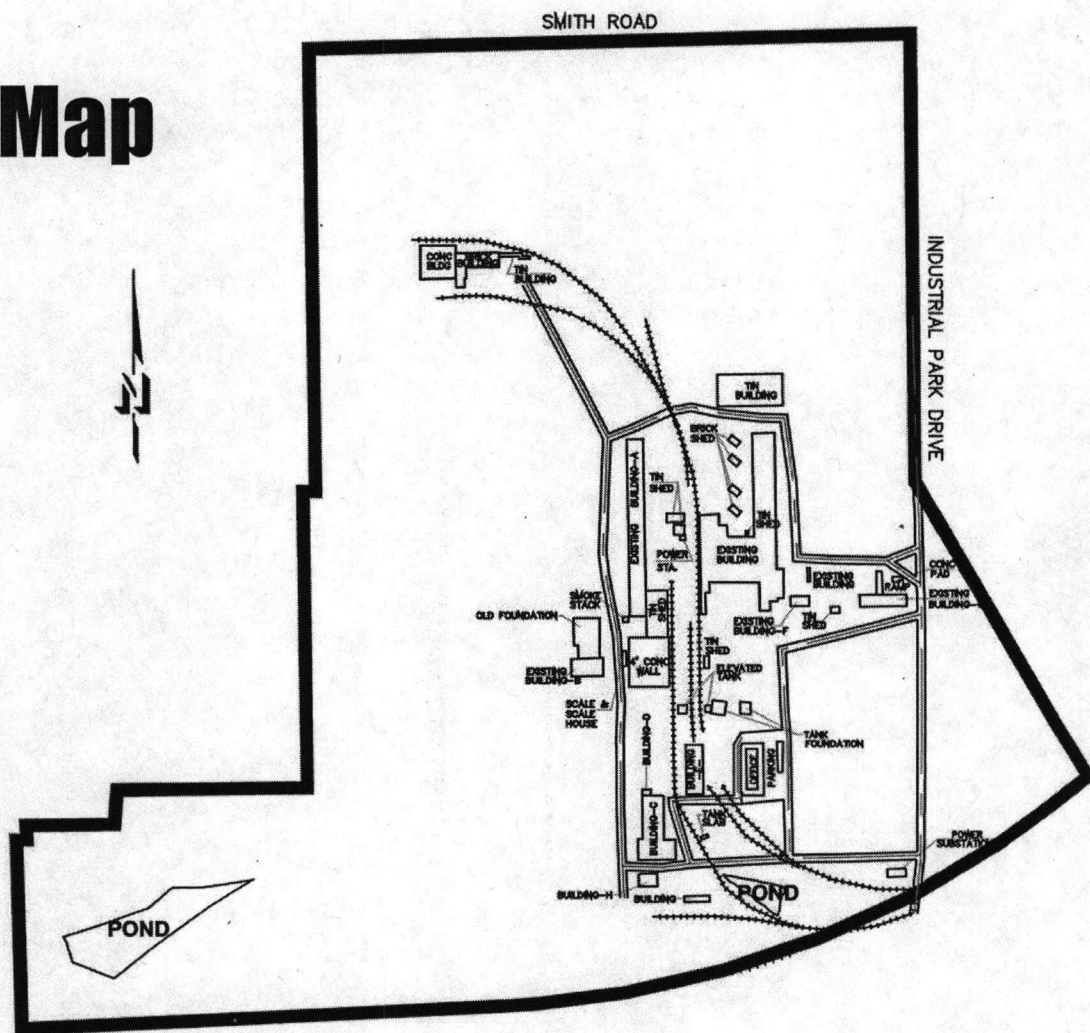
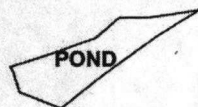
Site Map



Site Map



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Site History

- ◆ Main Manufacturing Process at Site (1912 - Present)
 - *Zinc Oxide Smelting Process*
 - Raw zinc mixed with coal on-site to form zinc products
- ◆ Sampling at Site by Illinois EPA conducted in 1993 and 1998



Negotiations with Responsible Parties

◆ Responsible Parties

- *Sherwin-Williams and T.L. Diamond*

- Investigate and assess any contamination at the site
- Prepare a Remedial Investigation & Feasibility Study

- *Eagle-Picher's*

- Involvement in investigation is strictly financial

◆ Results of Negotiations



Remedial Investigation/ Feasibility Study Scope of Work

◆ Preliminary Site Evaluation Report

- *Summarized all previous investigations*
- *Approved March 2002*
- *Available in library*

■ Hillsboro Public Library
214 School Street
Hillsboro, IL 62049
(217) 532-3055



Phase 1: Source Characterization

June - November 2002

◆ On-site Soil Sampling

- *130 soil borings*
- *Samples screened for contaminants*
- *26 samples submitted to laboratory*
- *Analyzed for metals and organics*

◆ Sediment Sampling

- *16 sample locations*
- *Collected from drainageways from site*
- *Analyzed for metals and organics*



Phase 1: Source Characterization

June - November 2002

◆ Residual Pile Sampling

- *Approximately 21 piles to be sampled*
- *Analyzed for metals*
- *Analyzed for metals and organics*



Phase 2: Migration Pathway Assessment November 2002 - April 2003

◆ Surface Water Sampling

- *Based on results of sediment sampling*
- *Analyzed for metals and organics*
- *Includes sampling of stream at southwest corner of site*
- *Sample two site outfalls*
- *Drainageways from site to Lake Hillsboro*



Phase 2: Migration Pathway Assessment November 2002 - April 2003

◆ Groundwater Sampling

- *Additional wells in all areas of site, including manufacturing area*
- *Determine relationship between groundwater and surface water*
- *20 new temporary wells converted to 10 new permanent wells*
- *Sample all existing wells (approximately 20 total wells)*



Phase 3 and Phase 4

- ◆ Phase 3 - Risk Assessment
(April - August 2003)
 - *Select Chemicals of Concern*
 - *Identify Possible Routes of Exposure*
 - *Determine Risk Associated with Exposure to Contaminants*
- ◆ Phase 4 - Bench Scale Studies
(As necessary)
 - *Evaluate potential treatment technologies*



Remedial Investigation August - December 2003

- ◆ Summarize Nature and Extent of Contamination
- ◆ Summarize Risks Associated with Contamination



Feasibility Study

December 2003 - May 2004

- ◆ Evaluate cleanup technologies for site contamination
- ◆ Summary of environmental standards for technology development
- ◆ Comparison to EPA remedy selection criteria
- ◆ Recommendations for cleanup



EPA Proposed Plan for Site Cleanup

◆ Summer/Fall 2004



Site Contacts

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